

IN THE CLAIMS:

Please re-write the claims to read as follows:

- 1 1. (Currently Amended) A method for traffic shaping for packet data communica-
2 tions comprising:
3 establishing one or more packet queues, each queue carrying packet traffic
4 for a particular connection having a desired packet transfer rate;
5 directing each incoming packet to the queue assigned to the connection
6 over which the packet is received;
7 providing a frequency for packet transfer, the frequency selected from
8 ~~in~~ a series of frequencies;
9 generating packet transfer rates appropriate for each existing output con-
10 nection by combining packet transfer frequencies; and
11 transferring a packet from an assigned queue in response to combined
12 transfer frequencies.
- 1 2. (Original) The method of claim 1 wherein said directing step further comprises:
2 receiving said packets by receiving logic.
- 1 3. (Original) The method of claim 1 wherein said providing a frequency step further
2 comprises:
3 generating packet transfer signals by a timing logic circuit.
- 1 4. (Original) The method of claim 1 wherein said transferring a packet step further
2 comprises:

3 transferring by cell transfer logic circuits in response to said combined transfer
4 frequencies.

1 5. (Original) The method of claim 1 further comprising:
2 diverting a packet from an assigned queue in the event that the assigned queue is
3 filled above a threshold by reception of said packet.

1 6. (Original) The method of claim 1 further comprising:
2 inhibiting generation of a packet transfer signal if any higher frequency output is
3 enabled to generate a packet transfer signal.

1 7. (Original) The method of claim 1 further comprising:
2 establishing lists of associations between a timing circuit and packet queues, said
3 timing circuit enabled to generate packet transfer signals for any queue on its list.

1 8. (Original) The method of claim 1 further comprising:
2 generating a phase difference between an outputs from timing circuits for
3 neighboring frequencies in the series of frequencies.

1 9. (Original) The method of claim 1 further comprising:
2 generating each frequency of said series of frequencies so that the frequencies are
3 represented by F/v , where F is a maximum packet transfer rate and v is an integer value.

1 10. (Original) A method for operating a switching hub having a switching fabric, at
2 least one input adapter and at least one output adapter, one or more of said input or output
3 adapters including a traffic shaping apparatus, comprising:
4 providing one or more packet queues, each queue carrying packet traffic
5 for a particular connection having a desired packet transfer rate;

6 directing each incoming packet to the queue assigned to the connection
7 over which the packet is received;
8 providing a frequency in a series of frequencies to generate a packet trans-
9 fer rate;
10 combining said frequency for a plurality of said queues to generate packet
11 transfer rates appropriate for each existing connection; and
12 transferring a packet from the assigned queue to a given output connection
13 in response to combined frequencies appropriate to the given output connection.

1 11. (Currently Amended) A computer readable media, comprising:
2 said computer readable media containing instructions for execution on a processor
3 for the practice of
4 ~~having instructions which a computer responds to for practice of~~
5 the methods of claim 1 or claim 10 ~~written thereon.~~

1 12. (Currently Amended) Electromagnetic signals propagating over a computer net-
2 work, comprising:
3 said electromagnetic signals carrying instructions for execution on a processor
4 ~~a computer responding to said electromagnetic signals~~ for the practice of the methods
5 ~~method~~ of claim 1 or claim 10.